

WHAT IS CLAIMED IS:

1. A magnetic recording and reproduction apparatus, comprising:

a cylinder for performing information recording to, and/or reproducing information from, a magnetic tape;

a chassis section having the cylinder provided thereon;

a tape pull-out member pulling out the magnetic tape;

a positioning member provided on a first surface of the chassis section, the positioning member having a ramp surface; and

an urging section for urging the tape pull-out member; wherein:

the tape pull-out member is movable between a first position and a second position;

the first position is a position at which information recording to, and information reproduction from, the magnetic tape is possible;

the second position is a position at which information recording to, and information reproduction from, the magnetic tape is not possible;

the tape pull-out member has a second surface facing the first surface;

the tape pull-out member includes a projection provided on the second surface;

the tape pull-out member is urged by the urging section such that the projection presses the ramp surface at the first position; and

a force received by the projection from the ramp surface, by the projection pressing the ramp surface, acts on the projection in a direction from the ramp surface toward

the first surface.

2. A magnetic recording and reproduction apparatus for performing information recording to, and/or information reproduction from, a tape which is run after being pulled out from a tape cassette and wound around a rotatable head cylinder, the magnetic recording and reproduction apparatus comprising:

a tape pull-out member which is located in an opening of the tape cassette in a tape cassette mounted state, and moves to a tape pull-out position in the vicinity of the rotatable head cylinder for pulling out the tape from the tape cassette and winding the tape around the rotatable head cylinder so as to place the magnetic recording and reproduction apparatus into a tape pull-out state; where the tape cassette mounted state is a state of the magnetic recording and reproduction apparatus in which the tape cassette is mounted thereon, and the tape pull-out state is a state of the magnetic recording and reproduction apparatus in which the tape has been pulled out from the tape cassette and wound around the rotatable head cylinder such that the tape is capable of running;

a guide member for guiding the tape pull-out member to reciprocally move between a position in the opening of the tape cassette and the tape pull-out position; and

a positioning member for positioning the tape pull-out member at the tape pull-out position;

wherein:

the tape pull-out member includes:

a guide pole for guiding the tape;

a brim portion provided on a bottom surface of the tape pull-out member;

a positioning projection provided on the bottom

surface of the tape pull-out member; and

a pull-out-side reference surface for determining a tilt of the tape pull-out member at the tape pull-out position; and

the positioning member includes:

a top reference surface located in a top surface of the positioning member and facing the pull-out-side reference surface of the tape pull-out member for controlling the tilt of the tape pull-out member; and

a ramp surface which contacts the projection at the tape pull-out position and which has a normal defined by a negative Y component and a negative Z direction at the tape pull-out position;

where an X-Y plane is a plane defined by the top reference surface, a positive Y direction is a direction in which the tape pull-out member advances toward the tape pull-out position, the negative Y direction is the opposite direction to the positive Y direction, a Z axis is a straight line which is perpendicular to the X-Y plane and passes through the center of the guide pole, and a positive Z direction is a direction from the top reference surface to the tape, and the negative Z direction is the opposite direction to the positive Z direction;

wherein the projection of the tape pull-out member is urged to be pressed onto the ramp surface by an urging section provided on a chassis at the tape pull-out position, so as to position the tape pull-out member.

3. A magnetic recording and reproduction apparatus according to claim 2, wherein the guide pole, the brim portion and the positioning projection are integrally formed together.

4. A magnetic recording and reproduction apparatus according

- 30 -

P33637

to claim 2, wherein the guide pole, the brim portion and the positioning projection are integrally formed together of a resin.